

A7860

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Proprotein Convertase 9(PCSK9) Rabbit pAb

Catalog No.: A7860 **4 Publications**

Basic Information

Observed MW

80kDa/65kDa,

Calculated MW

74kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

Immunogen Information

Gene ID

255738

Swiss Prot

Q8NBP7

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 590-692 of human Proprotein Convertase 9(PCSK9) (NP_777596.2).

Synonyms

FH3; PC9; FHCL3; NARC1; LDLCQ1; NARC-1; HCHOLA3; Proprotein Convertase 9(PCSK9)

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

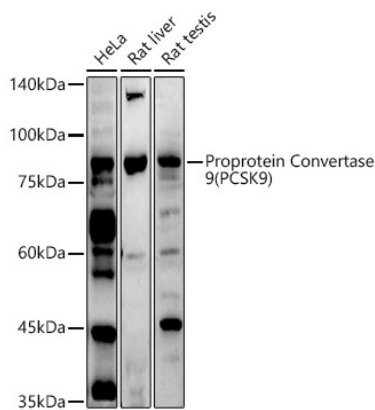
Affinity purification

Storage

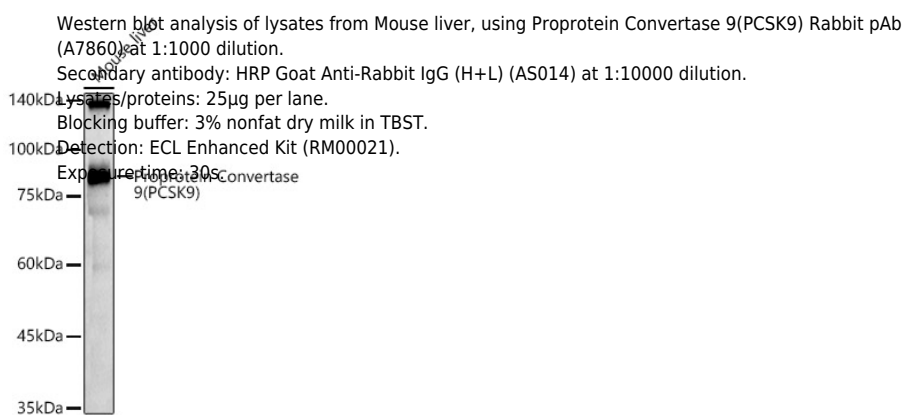
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 180s.



Western blot analysis of lysates from Mouse liver, using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at 1:1000 dilution.

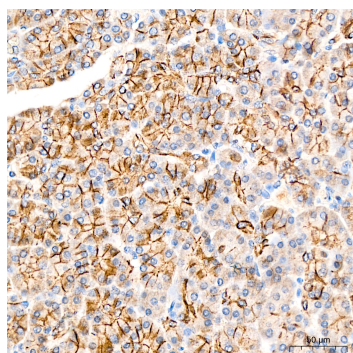
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

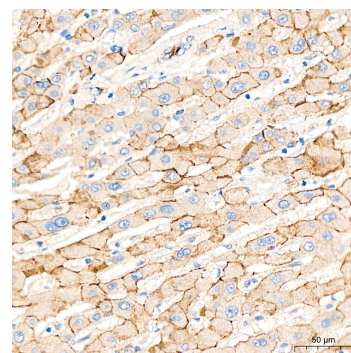
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

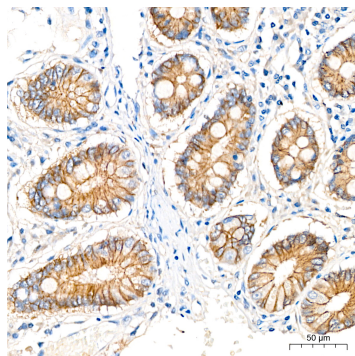


Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

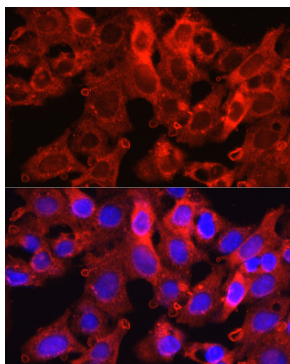


Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

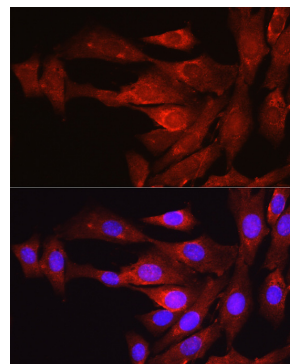
Validation Data



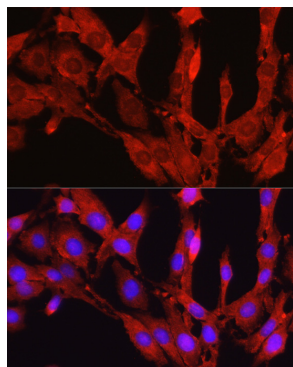
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



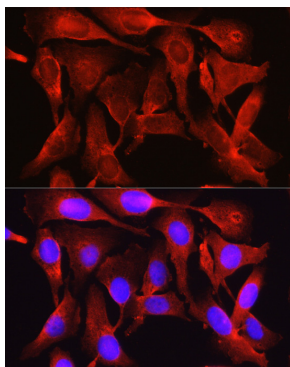
Immunofluorescence analysis of HepG2 cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



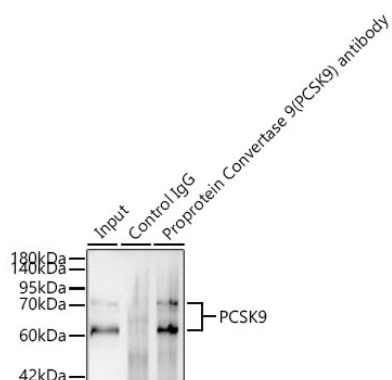
Immunofluorescence analysis of NIH/3T3 cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation of Proprotein Convertase 9(PCSK9) from 200 µg extracts of HeLa cells was performed using 0.5 µg of Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:1000.